



CYPRESS  
AGRITECH

**AVIX** Autonomic

Mark II



## Intelligent automated bird repellent system

Repel birds 24/7 and achieve up to a 90% bird reduction

## Laser bird repelling capability

AVIX Autonomic is the newest generation of automated intelligent laser bird repellents. It is an effective solution to repel birds in an animal-friendly way.

The AVIX Autonomic covers the area that needs protection from birds continuously.

Birds perceive the approaching laser as a physical danger and avoid the area.

The laser bird repellent has proven to be effective over time without habituation.

Our technology is used in 90 countries around the world.

## Remote control

It is possible to view the system status via the Status & Control app by AVIX and switch it ON/OFF remotely. A user can also receive push notifications on their phones or by email if the unit is disconnected from power. Through the advanced AVIX Connect tool, it is possible to track the system's operating hours using a Bluetooth connection. This allows the user to check if the laser is performing the way it should without visiting the customer's location. This way, errors are tracked down quickly from any location, reducing downtime to a minimum.

## Connect wirelessly

A Bluetooth connection can be made between the AVIX Connect application and the AVIX Autonomic. A user can configure the AVIX Autonomic, change settings, update the system and check the system status with the AVIX Connect application. The application is available for such mobile device operating systems as Android and iOS.

## Get excellent customer service

The bird repelling capabilities of AVIX systems and general services are continuously being improved. The AVIX Autonomic is designed to be customizable, giving it the ability to adapt to the customer's needs. It is also made to be ready for future upgrades and updates via the AVIX Connect application. Service Level Agreement (SLA) allows an extended warranty and guarantees that customers get the best quality at all times.

## Modular Design

Components of the AVIX Autonomic can easily be replaced, minimizing downtime.



## About AVIX

**Taking bird control technology to the next level:** AVIX provides long-term solutions for large-scale bird problems in different contexts by using a unique combination of technology and support services.

AVIX dominates the market for bird control with state-of-the-art systems and support services, bringing solutions for large-scale applications at much lower costs than existing methods, without causing nuisances to other animals or humans.

AVIX solutions provide immediate positive results with a fast return on investment. After the investment, we work together with our customers to reach their desired results. After the bird problem is solved, we continue to optimize the system for maximum effectiveness at lower annual costs.

## AVIX Connect

Because of the many variables that affect successful system implementation and safety complexities, AVIX has developed a technology to optimize the interaction between AVIX experts, systems, essential customer information and tactical bird control data. It is required to use AVIX Connect with AVIX Autonomic to ensure successful bird repelling results.

## AVIX Academy

AVIX provides a variation of online and on-site training sessions. The main focus is a safe and effective use of our solutions. Whether a person is involved in selling, installing or operating a laser system, everyone must follow specific courses to ensure they possess the knowledge and capabilities to guarantee high performance and safe deployment of the bird deterrent lasers.

## Technical specifications

<b>Laser class</b>	3B
<b>Laser beam color</b>	Green
<b>Service life laser source</b>	5,000 hours
<b>Horizontal projection range</b>	360° (continuous)
<b>Vertical projection range</b>	-50° to +30°
<b>Endurance</b>	IP66 (suitable for indoor and outdoor use)
<b>Power source</b>	Power adapter (100 - 277 VAC) or optional solar
<b>Operating voltage</b>	24 VDC (@ max. 4A)
<b>Operating temperature</b>	-15 °C to +50 °C (5 °F to 122 °F)
<b>Power consumption</b>	100 W (peak operating power)
<b>Safety features</b>	Laser operating LED indicator and key-lock switch (according to EN 60825-1:2014), Emergency stop button, Password protection
<b>Certification</b>	CE, FCC, 2014/35/EU (LVD Directive), 2014/30/EU (EMC Directive), IEC 60825-1:2014 (Laser Safety Directive)
<b>Weight</b>	11 kg (24 lb)
<b>Dimensions</b>	50 (19.7) x 21 (8.3) x 40 (15.8) cm (in) (L x W x H)
<b>Connectivity</b>	Bluetooth
<b>AVIX Remote status &amp; Control Module</b>	Wireless ON/OFF switch, Mobile application, Real-time AVIX Autonomic status, Global reach (cellular network coverage is required: GSM/2G or higher)
<b>Mobile device requirements for the AVIX Connect app</b>	Android: Android version 6.0 or higher, with Bluetooth version 4.0 or higher, iOS: iOS version 11 or higher, with Bluetooth version 4.0 or higher



## Optional accessories

<b>Mounting accessories</b>	Vertical Mounting Bracket, Horizontal Mounting Frame, Adjustable Frame Extender, Power Extension Cable (5m), Pole Top Mounting Bracket, Horizontal Mounting Bracket
<b>Solar accessory</b>	1 x Battery Box Kit (24V)
<b>Solar Frame Kit</b>	+ 2 x Solar power extension cable (5m) + 2 x Solar panel frame brackets + 2 x Battery for solar charging system (12V) + 2 x Solar panel
<b>Solar accessory</b>	1 x Battery Box Kit (24V)
<b>Solar Pole Kit</b>	+ 2 x Solar power extension cable (5m) + 2 x Solar panel pole brackets + 2 x Power Extension Cable (5m) + 2 x Battery for solar charging system (12V) + 2 x Solar panel
<b>Remote Control (RF)</b>	Wireless ON/OFF switch, 868MHz FM-technology, 1 - 4 channels (expandable), 2 (1,24) km (mi) reach



**WARNING – LASER RADIATION**  
AVOID EXPOSURE TO BEAM  
CLASS 3B LASER PRODUCT

MAXIMUM OUTPUT <500 mW  
WAVELENGTH 532 nm  
CLASSIFIED TO NEN EN 60825-1:2014

## Application accessories

With the AVIX Autonomic we provide a flexible solution. The system can be adapted to any kind of environment. It can be installed on a pole, the (extended) frame, or it can be mounted to a wall. These are only a few examples of the many ways the AVIX Autonomic can be installed.



### Estimated range for effective bird dispersal



### Laser brightness

The laser output power is adjustable and it can be set to match the environment. A higher laser output power is recommended for use during bright light conditions.

### Distance and beam angle

The AVIX Autonomic laser is effective over a long distance; however, the actual surface area covered by the laser depends on particular situations and obstacles in the field.

The AVIX Autonomic is designed and manufactured by **Bird Control Group**

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